

C L A I M S

1.- Master-keyed pin drum lock with relative master key, each pin having an inner window (20) with an outer protuberance (21) which a spring (m) acts upon and an inner projection (22) which the key acts upon (3) giving rise to the movement of the pin (2). The inner projections (22) are at different heights and the pins are placed so that some move in one directions and others in the opposite direction; on one of its sides the key (3) has a notch (31') whose minimum width (d₁) is the distance between the maximum level (h₁) reached by the projections (22') of the pins (2) which move in one direction and the maximum level (h₁) reached by those of the pins that move in the opposite direction; characterised because:

- a) each pin (2) has a step (23) on its inner window (20) placed on the opposite side to that of the inner projection (22');
- b) the key (3) has double serration (30') on the opposite side to that of the notch (31') combined with the steps (23) of the inner windows (20') of the pins (2'a), (2'b).

2.- Master-keyed pin tumbler lock with relative master key, according to previous claim, characterised because here are some working channels (10) in the tumbler lock (1) and there are two pins (2'a), (2'b) per working channel (10) which are inserted into each one of them so that one (2'a) acts in the opposite direction to the other (2'b).

3.- Master-keyed pin tumbler lock with relative master key, according to previous claims, characterised because the tumbler lock (1) has a retaining channel (10') with an additional pin and the key (3') has a

-7-

supplementary cutwork which acts upon the retaining pin, making it possible to remove the tumbler lock (1).